

KÖSTER

KÖSTER TPO Aqua 1.5

FPO/TPO membrane for
potable water tanks



**Free of volatile
plasticizers**



**Resistant to hydrolysis & hydrostatic pressure
and compatible with all types of substrates**



KÖSTER TPO Aqua



KÖSTER TPO Aqua is a specially formulated homogeneous waterproofing membrane for drinking water tanks. KÖSTER TPO Aqua complies with the hygienic requirements for potable water environments according to the German DVGW Worksheet W 270. The TPO-PE based membrane is highly tear resistant and provides very high flexibility, so that even large cracks are securely bridged.



Unique Advantages of the TPO Aqua system

Environmental friendliness, human and animal safety

- KÖSTER TPO Aqua is a 100% eco-friendly product that is safe for human health, water, soil, animals, and plants.
- It contains no volatile plasticizers and therefore does not become brittle or rot, it is free of VOCs and 100% recyclable.

Usable on all types of substrates

- It is compatible with all types of substrates such as concrete, metal, wood, plastic, etc.

No chemical interaction with the substrate

- The application methods are mechanical fastening and loose-laid, so the substrate doesn't interact with the membrane leaving it free of any "negative" influences. This is a great advantage over liquid applied waterproofing.

No substrate preparation

- No substrate preparation is needed for this system, since it can be applied over old detaching coatings such as old membranes, epoxies, polyurethanes, etc. Only in the case of high surface roughness do we advise the use of a 400 g geotextile mat before installation for increased mechanical protection.

For repair and new structures

- Many old tanks have old epoxy coatings that still contain VOC's that contaminate the water. Our membrane can be applied over these existing coatings, protecting the water from being exposed to this harmful contamination.
- New and old structures are securely waterproofed with a membrane that has a life expectancy similar to the lifespan of the structure itself.

Drinking water tests

- Drinking water test according to the German W270-Guideline

*VOC (Volatile Organic Compounds)

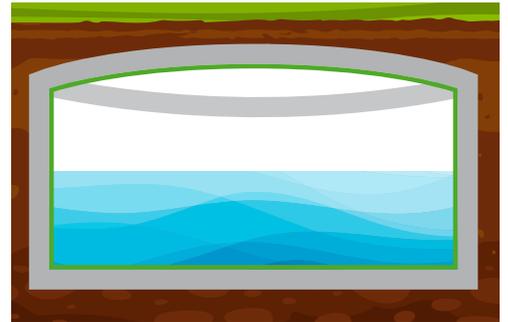
Always adhere to the system method statement for all the application details.



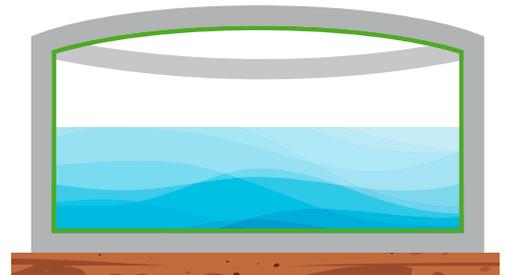
KÖSTER TPO Aqua:
The long-lasting and eco-friendly
solution for potable water tanks



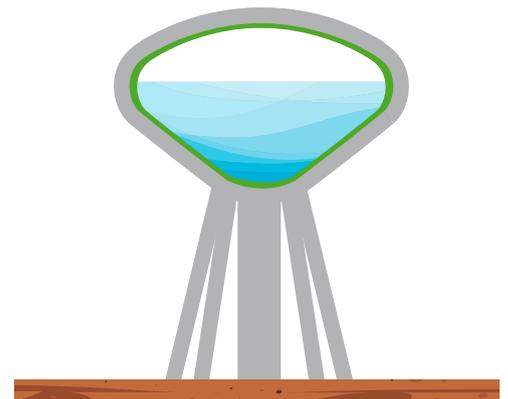
Tanks below ground



Tanks above ground



Water towers



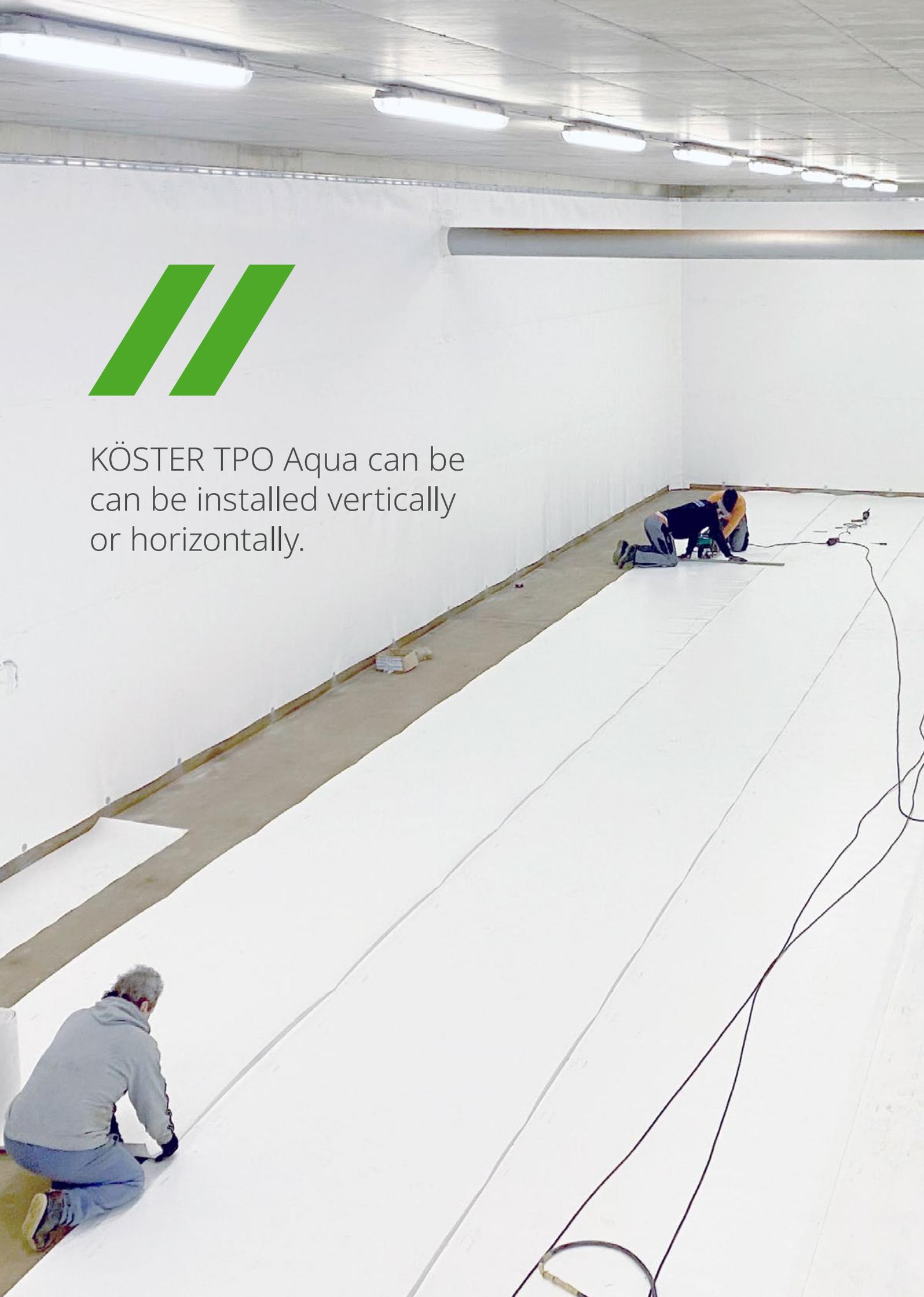
Fields of application for the KÖSTER TPO Aqua

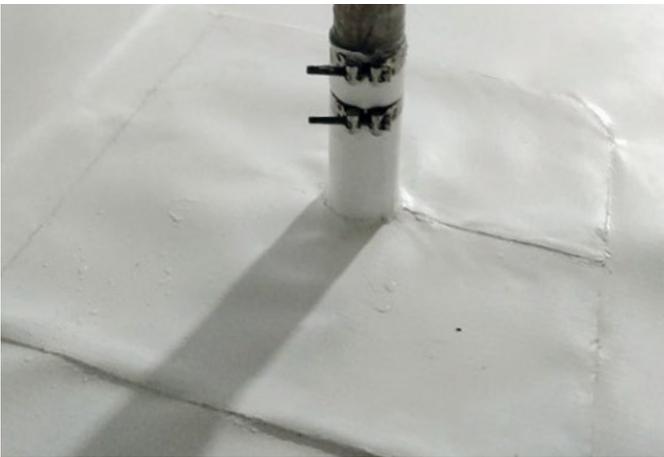
The field of application for this special product are drinking water reservoirs and tanks, but also other water retention structures for human, agricultural, or animal purposes that require a totally secure and safe membrane with absolutely no effect to the water:

- Drinking water tanks and reservoirs
- Water reservoirs for food production purposes
- Irrigation reservoirs for agricultural use



KÖSTER TPO Aqua can be
can be installed vertically
or horizontally.





Fixing Methods



TPO Colaminated Metal Sheet



Aluminum Flashing/ Metal bar



When necessary: Intermediate fastening



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Issued: 6/2023



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Waterproofing Systems



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Always adhere to the specifications in the respective Technical Data Sheets.